

Appendix 11: QCAT Abbreviations

a	=	Air
AA	=	Acute Aquatic Toxicity or
AA	=	Alternatives Assessment
AT	=	Acute Mammalian Toxicity
B	=	Bioaccumulation
BAF	=	Bioaccumulation factor
BCF	=	Bioconcentration factor
B_iT	=	Chemicals that are bioaccumulative AND inherently toxic
BM	=	Benchmark
bw/d	=	Body weight per day
C	=	Carcinogenicity
CA	=	Chronic Aquatic Toxicity
CAS Number	=	Chemical Abstract Service Number; uniquely identifier for chemicals
CDC	=	Centers for Disease Control and Prevention
CHA	=	Chemical Hazard Assessment
ChV	=	Chronic Value for fish toxicity (Chronic aquatic toxicity is not part of QCAT. Value NOT used.)
CLP	=	Classification and labelling program
CMR	=	Chemicals that are carcinogenic, mutagenic and/or reproductive toxic
D	=	Developmental Toxicity
DfE	=	US EPA Design for the Environment program
dm	=	Dust or mist
DSL	=	Domestic substances list; Canadian legislation
E	=	Endocrine Activity
EC	=	European Commission; Executive body of the European Union
EC₅₀	=	Effective concentration of substance that caused 50% of the population to die
ECHA	=	European Chemicals Agency; Agency formed to implement the REACH legislation in the EU
Ecotox	=	Eco-toxicological hazard endpoints
EPA	=	US Environmental Protection Agency
EPCRA	=	Emergency Planning and Community Right-to-Know Act; US legislation
ErC₅₀	=	EC ₅₀ in terms of reduction of growth rate
ESIS	=	European chemical Substances Information System (database no longer supported by ECHA)
EU	=	European Union
F	=	Flammability
g	=	Gas
German MAK	=	German Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (MAK Commission)
GHS	=	Globally Harmonized System of Classification and Labelling of Chemicals
Grade	=	Level of toxicity concern for the chemical based upon the QCAT grading methodology
GreenScreen	=	GreenScreen for Safer Chemicals; a CHA methodology based upon EPA DfE work
Group I	=	Priority human hazard toxicology endpoints
Group II	=	Important human hazard toxicology endpoints with four levels of concern
Group II*	=	Important human hazard toxicology endpoints with three levels of concern
GS	=	GreenScreen
HH	=	Human Health toxicity endpoints
HSDB	=	Hazardous substances databank
HSNO	=	Hazardous Substances and New Organisms; New Zealand legislation
IARC	=	International Agency for Research on Cancer
IrE	=	Irritation-Eye
IrS	=	Irritation-Skin
ISSCAN	=	Istituto Superiore di Sanita list of chemical carcinogens, modelling results
_iT	=	Chemicals toxic to either humans or the environment (i.e. inherently toxic)
IUCLID	=	International uniform chemical information database
Japan METI/MOE	=	Japan's Ministry of Economy, Trade and Industry (METI) and Ministry of the Environment (MOE)
Korean NIER	=	Korean National Institute of Environmental Research (NIER)
LC₅₀	=	Concentration at which 50% of test animals died after exposure
LD₅₀	=	Dose at which 50% of test animals died during exposure;
LOAEL	=	Lowest observed adverse effect level
log K_{ow}	=	Log of the octanol water partition coefficient; used as surrogate to evaluate bioaccumulation
M	=	Mutagenicity/Genotoxicity
mg/kg	=	Milligrams per kilogram (aka ppm)
mg/L	=	Milligrams per Liter (aka ppm)
MSDS	=	Material Safety Data Sheet
N	=	Neurotoxicity
N/A	=	‘Not applicable’
NIH	=	US National Institute of Health
NOEC	=	No observed effect concentration
NTP	=	National Toxicology Program
OECD	=	Organization for Economic Cooperation and Development
Oregon P3	=	Oregon list of persistent priority pollutants
OSHA	=	Occupation Safety and Health Administration
OSPAR	=	Oslo Paris Convention of POPs

P	=	Persistence
PB_iT	=	Chemicals that are persistent, bioaccumulative <u>AND</u> inherently toxic
PBT	=	Chemicals that are persistent, bioaccumulative <u>AND</u> toxic
P_iT	=	Chemicals that are persistent <u>AND</u> inherently toxic
POP	=	Persistent Organic Pollutants
QCAT	=	Quick Chemical Assessment Tool
R	=	Reproductive Toxicity
RA	=	Risk assessment
REACH	=	Registration, Evaluation & Authorisation of Chemicals; EU legislation
Repeat	=	Repeat dose or exposure
RTECS	=	Registry of toxic effects of chemical substances
Rx	=	Reactivity
SDS	=	Safety Data Sheet
SIDS	=	Safety information datasheet
Single	=	Single dose or exposure
SnR	=	Sensitization-Respiratory
SnS	=	Sensitization-Skin
ss	=	Soil or sediment
ST	=	Systemic toxicity
SVHC	=	Substances of very high concern (part of REACH legislation)
TC_{lo}	=	Toxic concentration low: Lowest concentration of a substance in air that has produced any toxic effect in humans or produced tumorigenic or reproductive effects in animals.
TD_{lo}	=	Toxic dose low: Lowest dose of a substance introduced by any route, other than inhalation, reported to produce any toxic effect in humans or to produce tumorigenic or reproductive effects in animals.
TRI	=	Toxics Release Inventory; US legislation
UNEP	=	United Nations Environment Programme
v	=	Vapor
vPvT	=	Chemicals that are very persistent <u>AND</u> very toxic
w	=	Water
WA DoE	=	Washington State Department of Ecology